## EAST Search History

| Ref # | Hits | Search Query                                                                                                                             | DBs                                                              | Default<br>Operator | Plurals | Time Stamp          |
|-------|------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|---------------------|---------|---------------------|
| L1    | 2916 | ((359/566) or (359/569)<br>or (359/570) or<br>(359/571) or (359/572)<br>or (359/573) or<br>(359/574) or (359/575)<br>or (359/576)).OCLS. | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR                  | OFF     | 2008/07/28<br>09:15 |
| L2    | 2    | L1 and (diffract\$ with<br>resonan\$ with specular\$)                                                                                    | US-PGPUB;<br>USPAT; USOCR;<br>EPO; J PO;<br>DERWENT;<br>I BM_TDB | OR                  | ON      | 2008/07/28<br>09:15 |
| L3    | 2    | L1 and diffract\$ and<br>(resonan\$ with specular<br>\$)                                                                                 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR                  | ON      | 2008/07/28<br>09:16 |
| L4    | 56   | L1 and (diffract\$ with resonan\$)                                                                                                       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR                  | ON      | 2008/07/28<br>09:16 |
| L5    | 243  | (359/576).CCLS.                                                                                                                          | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR                  | OFF     | 2008/07/28<br>09:16 |
| L6    | 35   | L1 and (diffract\$ with<br>(bead\$3 or spher\$2 or<br>bispher\$2 or bi?spher\$2<br>or (bi near3 spher\$3)))                              | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR                  | ON      | 2008/07/28<br>09:16 |
| L7    | 75   | L1 and (diffract \$ same<br>(bead\$3 or spher\$2 or<br>bispher\$2 or bi?spher\$2<br>or (bi near3 spher\$3)))                             | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR                  | ON      | 2008/07/28<br>09:16 |
| L8    | 347  | (359/571).CCLS.                                                                                                                          | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR                  | OFF     | 2008/07/28<br>09:16 |
| L9    | 14   | L1 and diffract\$ and<br>(resonan\$ with enhanc\$5)                                                                                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; J PO;<br>DERWENT;<br>I BM_TDB | OR                  | ON      | 2008/07/28<br>09:16 |
| L10   | 2    | L1 and diffract\$ and<br>(resona\$ with specular\$)                                                                                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR                  | ON      | 2008/07/28<br>09:16 |

| L11 | 2    | L1 and (diffract\$ with<br>resona\$ with specular\$)                                                                                        | US-PGPUB;<br>USPAT; USOCR;<br>EPO; J PO;<br>DERWENT;<br>I BM_TDB | OR | ON | 2008/07/28<br>09:16 |
|-----|------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|----|----|---------------------|
| L12 | 9    | L1 and diffract\$ and<br>((bead\$3 or spher\$2 or<br>bispher\$2 or bi?spher\$2<br>or (bi near3 spher\$3))<br>with scatter\$4)               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/07/28<br>09:16 |
| L13 | 5    | (diffract\$ with resona\$<br>with specular\$)                                                                                               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/07/28<br>09:41 |
| L14 | 15   | diffract\$ and (resonan\$<br>with specular\$)                                                                                               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/07/28<br>09:41 |
| L15 | 203  | diffract\$ and (enhanc\$5<br>with specular\$)                                                                                               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/07/28<br>09:41 |
| L16 | 36   | diffract\$ and (resona\$<br>with specular\$)                                                                                                | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/07/28<br>09:41 |
| L17 | 1579 | (diffract\$ with (bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3)))                                        | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/07/28<br>09:41 |
| L18 | 259  | L17 and resona\$                                                                                                                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/07/28<br>09:41 |
| L19 | 1579 | (diffract\$ with (bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3)))                                        | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/07/28<br>09:42 |
| L20 | 149  | L19 and (specular\$)                                                                                                                        | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/07/28<br>09:42 |
| L21 | 11   | (diffract\$ same (bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3))) and<br>(resonan\$ with specular<br>\$) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/07/28<br>09:42 |

| L22 | 2   | (diffract\$ and (bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3))) and<br>(resonan\$ with specular<br>\$)                                                                 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; J PO;<br>DERWENT;<br>I BM_TDB | OR | ON | 2008/07/28<br>09:42 |
|-----|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|----|----|---------------------|
| L23 | 51  | (diffract\$ same (bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3))) and<br>(resonan\$ with enhanc\$5)                                                                     | US-PGPUB;<br>USPAT; USOCR;<br>EPO; J PO;<br>DERWENT;<br>I BM_TDB | OR | ON | 2008/07/28<br>09:42 |
| L24 | 39  | (resonan\$ near4 specular<br>\$)                                                                                                                                                                           | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/07/28<br>09:42 |
| L25 | 187 | (diffract\$ same ((cylind<br>\$3 or cylindr\$6 or bead<br>\$3 or spher\$2 or bispher<br>\$2 or bi?spher\$2 or (bi<br>near3 spher\$3)) with<br>array\$4)) and ((clos\$3<br>near4 pack\$3) or hexagon<br>\$) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; J PO;<br>DERWENT;<br>I BM_TDB | OR | ON | 2008/07/28          |
| L26 | 351 | (diffract\$ same ((cylind<br>\$3 or cylindr\$6 or bead<br>\$3 or spher\$2 or bispher<br>\$2 or bi?spher\$2 or (bi<br>near3 spher\$3)) with<br>array\$4)) and scatter\$4<br>and layer\$4                    | US-RGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/07/28<br>09:42 |
| L27 | 12  | diffract\$ and (cylind\$3<br>or cylind\$6 or bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3)) and<br>(specular\$ near4 resona<br>\$)                                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/07/28<br>09:42 |
| L28 | 163 | diffract\$ and (cylind\$3<br>or cylindr\$6 or bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3)) and<br>specular\$ and scatter\$4<br>and (period\$6 near4 array<br>\$4)     | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/07/28<br>09:42 |
| L29 | 10  | (diffract\$ and (cylind\$3<br>or cylind\$6 or bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3)) and<br>specular\$ and scatter\$4).<br>clm.                                 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/07/28<br>09:42 |
| L30 | 26  | (diffract\$ and (cylind\$3<br>or cylindr\$6 or bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3)) and<br>specular\$).clm.                                                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; J PO;<br>DERWENT;<br>I BM_TDB | OR | ON | 2008/07/28<br>09:42 |

| L31 | 109   | ((diffract\$ same ((cylind<br>\$3 or cylindr\$6 or bead<br>\$3 or spher\$2 or bispher<br>\$2 or bi?spher\$2 or (bi<br>near3 spher\$3)) with<br>array\$4))).clm. | US-PGPUB;<br>USPAT; USOCR;<br>EPO; J PO;<br>DERWENT;<br>I BM_TDB | OR | ON | 2008/07/28<br>09:43 |
|-----|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|----|----|---------------------|
| L32 | 44    | L31 and (scatter\$4 and (period\$6 near4 array \$4)).clm.                                                                                                       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; J PO;<br>DERWENT;<br>I BM_TDB | OR | ON | 2008/07/28<br>09:43 |
| L33 | 23    | L1 and diffract\$ and<br>resonan\$ and (spher\$2 or<br>bispher\$2 or bi?spher\$2<br>or (bi near3 spher\$2))                                                     | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/07/28<br>10:20 |
| L34 | 6     | L1 and diffract\$ and<br>((spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$2)) with<br>layer\$3)                                                | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/07/28<br>10:28 |
| L35 | 1095  | diffract\$ and ((spher\$2<br>or bispher\$2 or bi?spher<br>\$2 or (bi near3 spher\$2))<br>with layer\$3)                                                         | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/07/28<br>10:32 |
| L36 | 187   | diffract\$ and ((spher\$2<br>or bispher\$2 or bi?spher<br>\$2 or (bi near3 spher\$2))<br>with layer\$3) and resona<br>\$                                        | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/07/28<br>10:32 |
| L37 | 5     | diffract\$ and (spher\$2<br>or bispher\$2 or bi?spher<br>\$2 or (bi near3 spher\$2))<br>and (specular\$ near4<br>resona\$)                                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/07/28<br>12:58 |
| L38 | 21    | diffract\$ and (specular\$ near4 resona\$)                                                                                                                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/07/28<br>12:59 |
| L39 | 1111  | diffract\$ and (specular\$ near4 enhanc\$)                                                                                                                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/07/28<br>13:09 |
| L40 | 61822 | diffract\$ and (cylind\$3<br>or cylindr\$6 or bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3))                                 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/07/28 14:21    |
| L41 | 6082  | diffract\$ and ((cylind\$3<br>or cylindr\$6 or bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3)) wit h<br>layer\$4)             | US-PGPUB;<br>USPAT; USOCR;<br>EPO; J PO;<br>DERWENT;<br>I BM_TDB | OR | ON | 2008/07/28 14:21    |

| L42        | 1100 | 41 and resona\$                                                                                                                                           | US-PGPUB;<br>USPAT; USOCR;<br>EPO; J PO;<br>DERWENT;<br>I BM_TDB | OR | ON  | 2008/07/28<br>14:22 |
|------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|----|-----|---------------------|
| L43        | 63   | 41 and (resona\$ near4<br>(specular\$ or enhanc\$))                                                                                                       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; J PO;<br>DERWENT;<br>I BM_TDB | OR | ON  | 2008/07/28<br>14:23 |
| L44        | 97   | (diffract\$ and ((cylind\$3<br>or cylindr\$6 or bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3)) with<br>layer\$4)).clm. | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON  | 2008/07/28<br>14:29 |
| S1         | 2874 | ((359/566) or (359/569)<br>or (359/570) or<br>(359/571) or (359/572)<br>or (359/573) or<br>(359/574) or (359/575)<br>or (359/576)).OCLS.                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | OFF | 2008/03/12 13:13    |
| S2         | 2    | S1 and (diffract\$ with<br>resonan\$ with specular\$)                                                                                                     | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON  | 2008/03/12 13:17    |
| S3         | 2    | S1 and diffract\$ and<br>(resonan\$ with specular<br>\$)                                                                                                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON  | 2008/03/12 13:18    |
| S4         | 52   | S1 and (diffract\$ with resonan\$)                                                                                                                        | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON  | 2008/03/12 13:19    |
| S5         | 238  | (359/576).COLS.                                                                                                                                           | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | OFF | 2008/03/12 13:21    |
| S6         | 32   | S1 and (diffract\$ with<br>(bead\$3 or spher\$2 or<br>bispher\$2 or bi?spher\$2<br>or (bi near3 spher\$3)))                                               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON  | 2008/03/12 14:44    |
| <b>S</b> 7 | 72   | \$1 and (diffract\$ same<br>(bead\$3 or spher\$2 or<br>bispher\$2 or bi?spher\$2<br>or (bi near3 spher\$3)))                                              | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>I BM_TDB  | OR | ON  | 2008/03/12 14:54    |
| S8         | 345  | (359/571).CCLS.                                                                                                                                           | US-PGPUB;<br>USPAT; USOCR;<br>EPO; J PO;<br>DERWENT;<br>I BM_TDB | OR | OFF | 2008/03/12 15:01    |

| S9  | 14   | \$1 and diffract\$ and (resonan\$ with enhanc\$5)                                                                               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; J PO;<br>DERWENT;<br>I BM_TDB | OR | ON | 2008/03/12 16:58 |
|-----|------|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|----|----|------------------|
| S10 | 2    | \$1 and diffract \$ and (resona\$ with specular\$)                                                                              | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/03/12 16:58 |
| S11 | 2    | S1 and (diffract\$ with<br>resona\$ with specular\$)                                                                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/03/12 16:58 |
| S12 | 8    | \$1 and diffract \$ and<br>((bead\$3 or spher\$2 or<br>bispher\$2 or bi?spher\$2<br>or (bi near3 spher\$3))<br>with scatter\$4) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/03/12 17:05 |
| S13 | 884  | diffract\$ and ((bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3)) with<br>scatter\$4)          | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/03/12 17:07 |
| S14 | 5    | (diffract\$ with resona\$<br>with specular\$)                                                                                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/03/12 17:07 |
| S15 | 1543 | diffract\$ and (resonan\$<br>with enhanc\$5)                                                                                    | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/03/12 17:08 |
| S16 | 15   | diffract\$ and (resonan\$<br>with specular\$)                                                                                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/03/12 17:08 |
| S17 | 186  | diffract\$ and (enhanc\$5<br>with specular\$)                                                                                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/03/12 17:15 |
| S18 | 36   | diffract\$ and (resona\$<br>with specular\$)                                                                                    | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/03/12 18:59 |
| S19 | 1497 | (diffract\$ with (bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3)))                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/03/12 19:07 |

| S20 | 248  | S19 and resona\$                                                                                                                                                                                          | US-PGPUB;<br>USPAT; USOCR;<br>EPO; J PO;<br>DERWENT;<br>I BM_TDB | OR | ON | 2008/03/12 19:07 |
|-----|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|----|----|------------------|
| S21 | 1499 | (diffract\$ with (bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3)))                                                                                                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/03/13 11:45 |
| S22 | 140  | S21 and (specular\$)                                                                                                                                                                                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/03/13 11:45 |
| S23 | 1    | (diffract\$ same (bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3))) and<br>(resonan\$ with specular<br>\$)                                                               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/03/13 12:36 |
| S24 | 2    | (diffract\$ and (bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3))) and<br>(ar3 spher\$3)) and<br>\$\frac{1}{2}\$                                                         | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/03/13 12:37 |
| S25 | 440  | (diffract\$ and (bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3))) and<br>(resonan\$ with enhanc\$5)                                                                     | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/03/13 12:37 |
| S26 | 49   | (diffract\$ same (bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3))) and<br>(resonan\$ with enhanc\$5)                                                                    | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/03/13 12:39 |
| S27 | 39   | (resonan\$ near4 specular<br>\$)                                                                                                                                                                          | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/03/13 12:50 |
| S28 | 1028 | (diffract\$ same ((cylind<br>\$3 or cylindr\$6 or bead<br>\$3 or spher\$2 or bispher<br>\$2 or bi?spher\$2 or (bi<br>near3 spher\$3)) with<br>array\$4))                                                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/03/13 14:46 |
| S29 | 176  | (diffract\$ same ((cylind<br>\$3 or cylindr\$6 or bead<br>\$3 or spher\$2 or bispher<br>\$2 or bispher\$2 or (bi<br>near3 spher\$3)) with<br>array\$4)) and ((clos\$3<br>near4 pack\$3) or hexagon<br>\$) | US-RGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>BM_TDB    | OR | ON | 2008/03/13 16:10 |

| S30 | 328  | (diffract\$ same ((cylind<br>\$3 or cylindr\$6 or bead<br>\$3 or spher\$2 or bispher<br>\$2 or bi?spher\$2 or (bi<br>near3 spher\$3)) with<br>array\$4)) and scatter\$4<br>and layer\$4                 | US-RGPUB;<br>USPAT; USOCR;<br>EPO; J PO;<br>DERWENT;<br>I BM_TDB | OR | ON | 2008/03/13 17:24 |
|-----|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|----|----|------------------|
| S31 | 705  | diffract\$ and (cylind\$3<br>or cylind\$6 or bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3)) and<br>scat ter\$4 and (period\$6<br>near4 array\$4)                     | US-PGPUB;<br>USPAT; USOCR;<br>EPO; J PO;<br>DERWENT;<br>I BM_TDB | OR | ON | 2008/03/13 18:11 |
| S32 | 2550 | diffract\$ and (cylind\$3<br>or cylindr\$6 or bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3)) and<br>specular\$                                                       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/03/13 18:16 |
| S33 | 12   | diffract\$ and (cylind\$3<br>or cylindr\$6 or bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3)) and<br>(specular\$ near4 resona<br>\$)                                  | US-RGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/03/13 18:16 |
| S34 | 151  | idiffract\$ and (cylind\$3<br>or cylindr\$6 or bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3)) and<br>specular\$ and scatter\$4<br>and (period\$6 near4 array<br>\$4) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; J PO;<br>DERWENT;<br>I BM_TDB | OR | ON | 2008/03/13 18:18 |
| S35 | 9    | (diffract\$ and (cylind\$3<br>or cylind\$6 or bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3)) and<br>specular\$ and scatter\$4).<br>clm.                              | US-RGPUB;<br>USPAT; USOCR;<br>EPO; J PO;<br>DERWENT;<br>I BM_TDB | OR | ON | 2008/03/13 18:37 |
| S36 | 25   | (diffract\$ and (cylind\$3<br>or cylindr\$6 or bead\$3<br>or spher\$2 or bispher\$2<br>or bi?spher\$2 or (bi<br>near3 spher\$3)) and<br>specular\$).clm.                                                | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/03/13 18:38 |
| S37 | 106  | (((diffract\$ same ((cylind<br>\$3 or cylindr\$6 or bead<br>\$3 or spher\$2 or bispher<br>\$2 or bi?spher\$2 or (bi<br>near3 spher\$3)) wit h<br>array\$4))).clm.                                       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/03/13 18:41 |
| S38 | 44   | \$37 and (scatter\$4 and (period\$6 near4 array \$4)).clm.                                                                                                                                              | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB   | OR | ON | 2008/03/13 18:42 |

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|-----------------------------------------|-----------------------------------------|-------------------------------------------|----------------------------------------|-------------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| S39                                     | 2                                       | ("20030031846").PN.                       | US-PGPUB;                              | OR                                        | ON                                      | 2008/03/13 19:18                        |                                         |
|                                         |                                         |                                           | USPAT; USOCR;                          |                                           |                                         |                                         | -                                       |
|                                         |                                         |                                           | EPO; J PO;                             |                                           |                                         |                                         |                                         |
|                                         |                                         |                                           | DERWENT;                               |                                           |                                         |                                         | -                                       |
|                                         |                                         |                                           | I BM_TDB                               |                                           |                                         |                                         |                                         |
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